

FIG. 1A

1 tettectacecatetgetececagagggetgeetgetgtgeacttgggteetggageeettetecaceeggatagatteeteaceettggeeegeette

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MetGluLeuThrcluLeuLeuLeuValValMetLeuLeuLeuThrAlaArgLeuThrLeuSerSerProAlaProProAlaCysAsp 201 gacacccggccagaATGGAGCTGACTGAATTGCTCCTCGTGTCATGCTTCTCTAACTGCAAGGCTAACGCTGTCCAGCCCGGCTCCTCCTGCTTGTG

301 ACCICCGAGICCICAGIAAACIGCIICGIGACICCCAIGICCIICACAGCAGACIGAGCCAGIGCCCAGAGGIICACCCIIIIGCCIACACCIGICCIGC

ProAlaValAspPheSerLeuGlyGluTrpLysThrGlnMetGluGluThrLysAlaGlnAspIleLeuGlyAlaValThrLeuLeuLeuGluGlyVal

MetalaalaargGlyGlnLeuGlyProThrCysLeuSerSerLeuLeuGlyGlnLeuSerGlyGlnValArgLeuLeuLeuGlyAlaLeuGlnSerLeuLeu 501 ATGGCAGCACGGGGACAACTGGGACCCACTTGCCTCTCATCCCTCGGGGCAGCTTTCTGGACAGGTCCGTCTCCTCCTTGGGGCCCTGCAGAGCCTCC

130 120

GlyThrGlnLeuProProGlnGlyArgThrThrAlaHisLysAspProAsnAlaIlePheLeuSerPheGlnHisLeuLeuArgGlyLysValArgPhe THGGAACCCAGCTHCCTCCACAGGGCAGGACCACAGCTCACAAGGATCCCAATGCCATCTTCCTGAGCTTCCAACACCTGCTCCGAGGAAAGGTGCGTTT

160 150 LeuMet Leuval Gly Gly Ser Thr Leu Cysval Arg Arg Ala Pro Pro Thr Thr Ala Val Pro Ser Arg Thr Ser Leu Val Leu Thr Leu Asn Glu Leu CCTGATGCTTGTAGGAGGGTCCACCCTCTGCGTCAGGCGGGCCCCACCACCACAGCTGTCCCCAGCAGAACCTCTCTAGTCCTCACACTGAACGAGCTC

Proper Note of the Note of Ser Shand of the Ser Shand of CCAAACAGGACTTCTGGATTGTTGGAGACAAACTTCACTGCCTCAGCCAGAACTACTGGCTCTGGGCTTCTGAAGTGGCAGCAGGGATTCAGAGCCAAGA 801

ProglyLeuLeuAsnGlnThrSerArgSerLeuAspGlnIleProGlyTyrLeuAsnArgIleHisGluLeuLeuAsnGlyThrArgGlyLeuPhePro 901 TICCIGGICIGAACCAAACCICCAGGICCCIGGACCAAAICCCCGGATACCIGAACAGGATACACGAACICTIGAAIGGAACICGIGGACTCITICC

TGGACCCTCACGCAGGACCCTAGGAGCCCCGGACATTTCCTCAGGAACATCAGACACAGGCTCCCTGCCACCCAACCTCCAGCCTGGATATTCTCCTTCC **GlyProSerArgArgThrLeuGlyAlaProAspIleSerSerGlyThrSerAspThrGlySerLeuProProAsnLeuGlnProGlyTyrSerProSer** 260

1001

ProThrHisProProThrGlyGlnTyrThrLeuPheProLeuProProThrLeuProThrProValValGlnLeuHisPrcLeuLeuProAspProSerAla 290

CTCCAACGCCCACCCCTACCAGCCCTCTTCTAAACACATCCTACACCCACTCCCAGAATCTGTCTCAGGAAGGGTAAggttctcagacactgccgacatc ProThr ProThr ProThr Ser ProLeu Leu Asn Thr Ser Tyr Thr His Ser Gln Asn Leu Ser Gln Glu Gly 1201

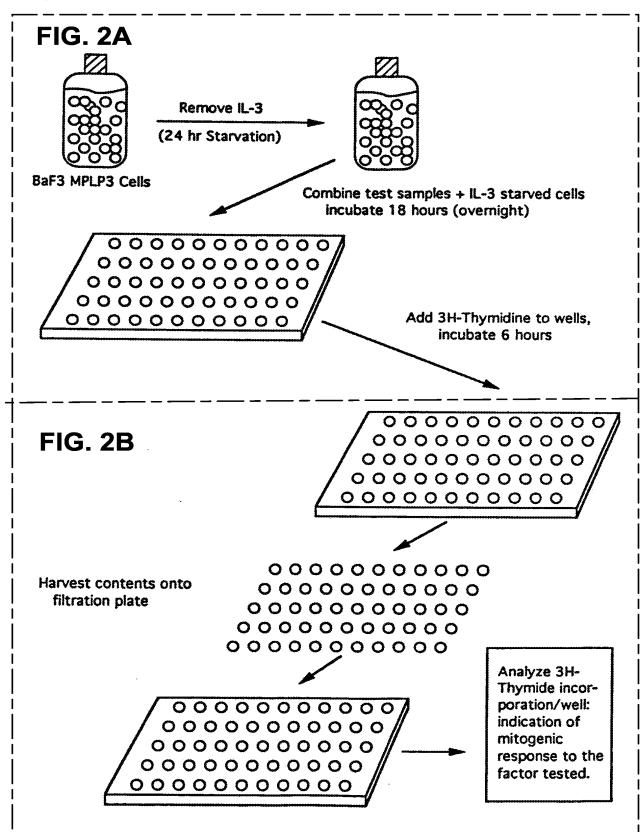
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gaacagagggagagactaaccttgagtcagaaacagagagaaatgggtaatttcctttgcttcaaattcaaggccttccaacgcccccatccctttactat 1601

FIG. 2



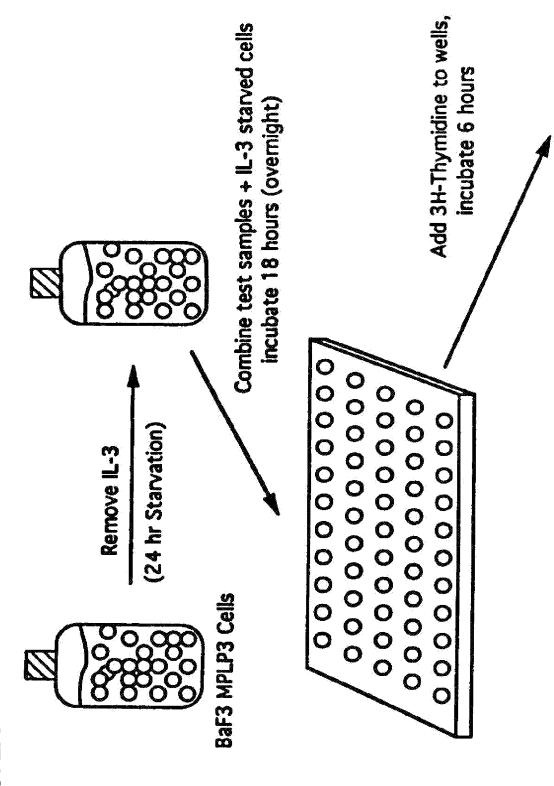
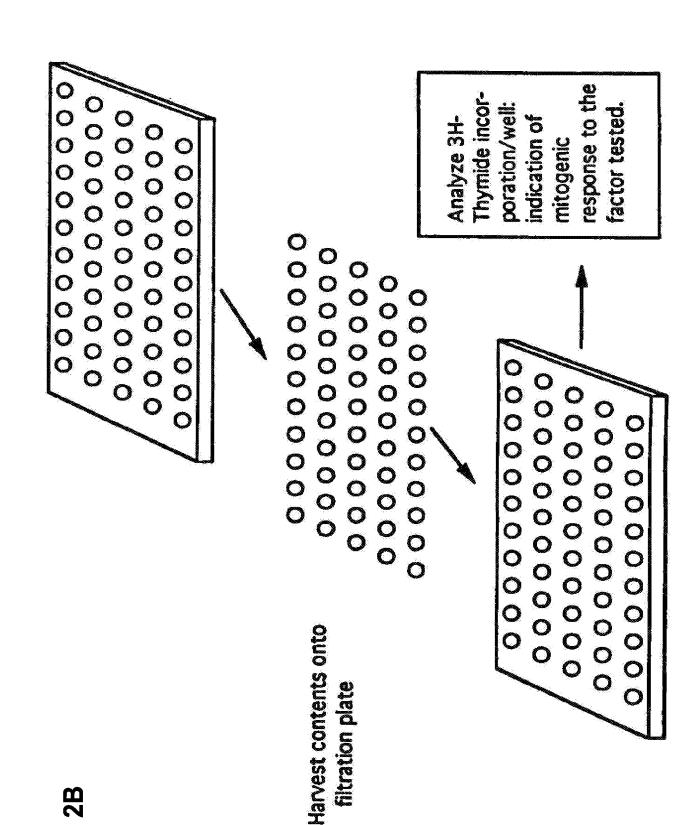
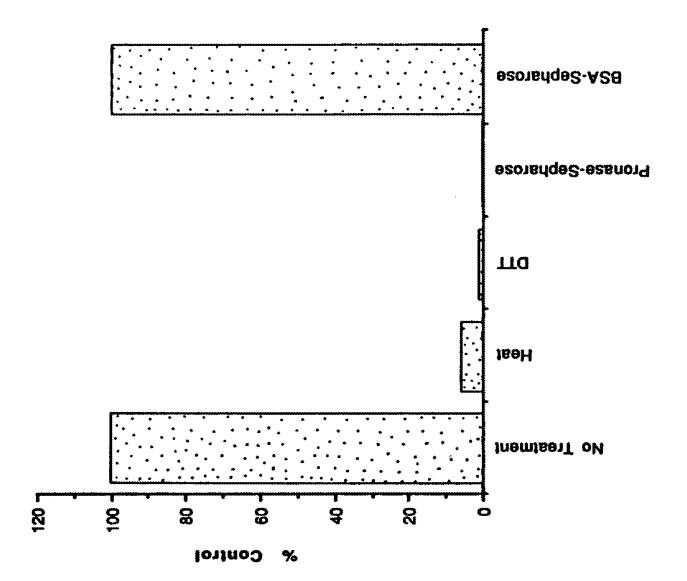


FIG. 2A



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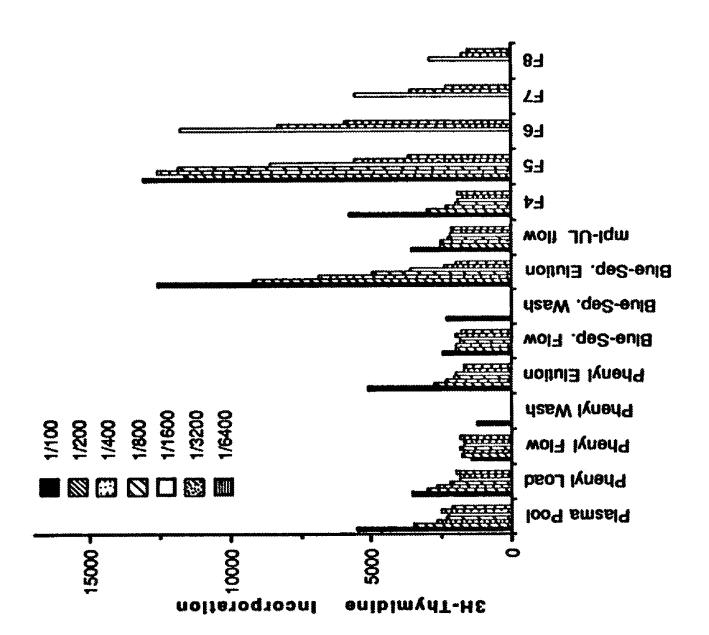


FIG. 5

 $MW \times 10^{-3}$

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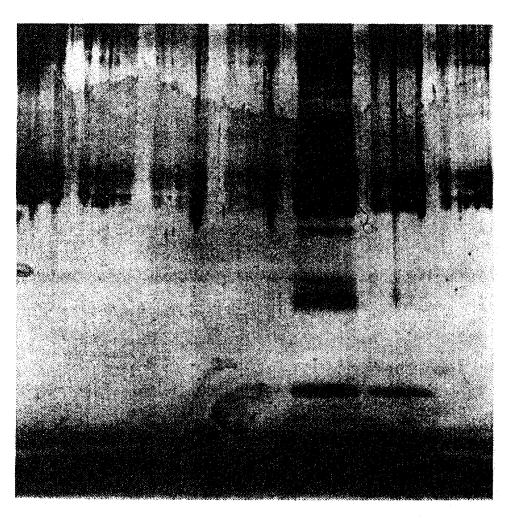
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31.0

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2 3 4 5 6 7 8

FRACTION NUMBER

FIG.6

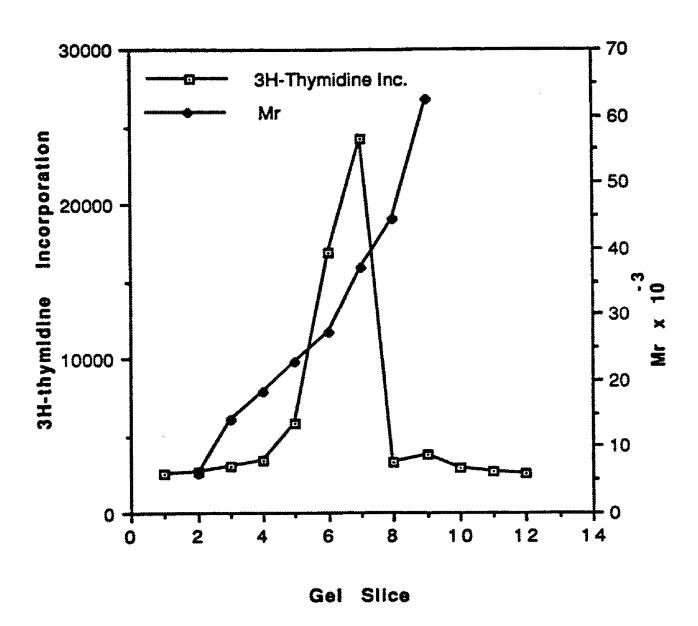
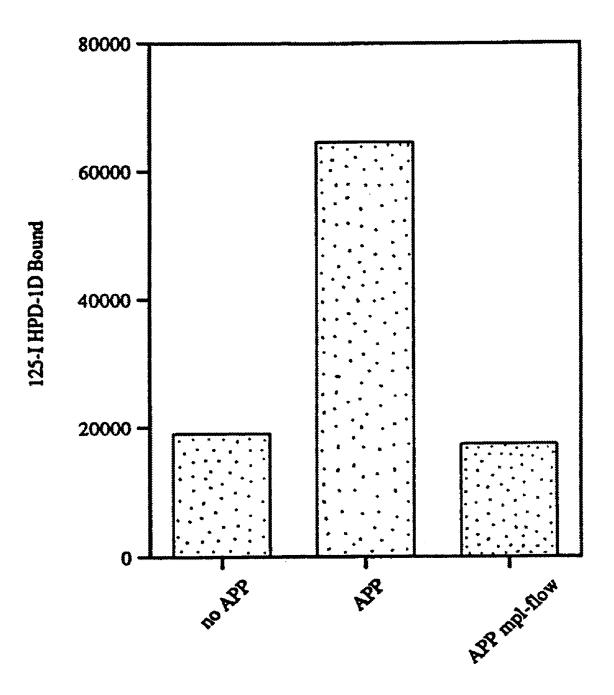


FIG. 7



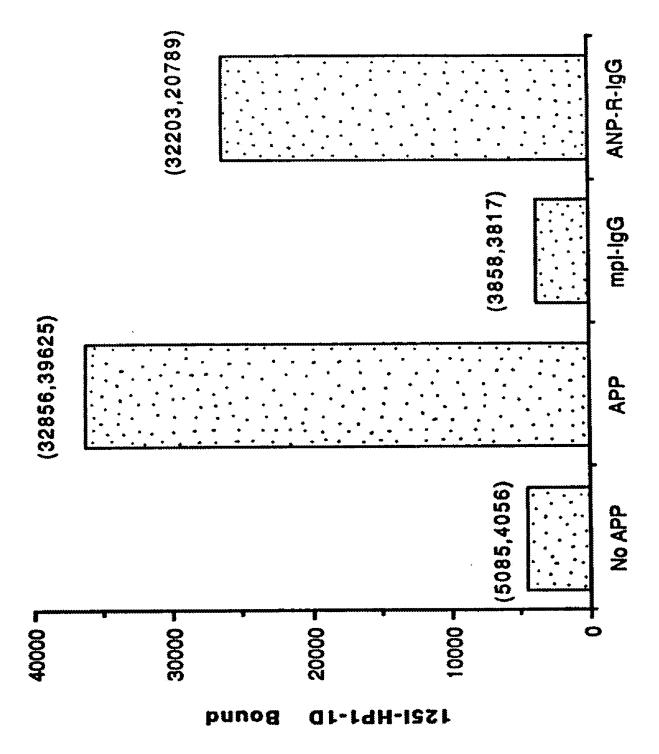


FIG. 8

<u>H</u>

1 GAATTCCTGG AATACCAGCT GACAATGATT TCCTCCTCAT CTTTCAACCT CACCTCTCCT CATCTAAGAA TTGCTCCTCG TGGTCATGCT TCTCCTAACT THATGSTCGA CTGTTACTAA AGGAGGAGTA GAAAGTTGGA GTGGAGAGGA GTAGATTCTT AACGAGGAGC ACCAGTACGA AGAGGATTGA **X**: ר ני ני מ

CGTYCCGAIT GCGACAGGIC GGGCCGAGGA GGACGAACAC IGGAGGCTCA GGAGTCAITT GACGAAGCAC IGAGGGIACA GGAAGIGICG ICIGACCACI 101 GCAAGGCTAA CGCTGTCCAG CCCGGCTCCT CCTGCTTGTG ACCTCCGAGT CCTCAGTAAA CTGCTTCGTG ACTCCCATGT CCTTCACAGC **=** ທ DC. u u S ı > & <u>ဂ</u> e d d d ഗ က လ A R L

GTAATAGGGG AAATAGGCGC ATTGACCATT CTGTGGGTCCTT CTGTGGTAGT GAAGGAGATT GAGGAACTGG GTTACTGATA 201 GAACTCCCAA CATTATCCCCC TTATCCGCG TAACTGGTAA GACACCCATA CTCCCAGGAA GACACCATCA CTTCCTCTAA CTCCTTGACC CAATGACTAT CTTCAGGGTT

AGAAGGGTAT AACAGGGGTG GATGACTAGT GTGAGAGACT GTTCTTAATA AGAAGTGTTA TGTCGGGCGT AAATTTTCGA GAGCAGATCT 301 TCTTCCCATA TIGICCCCAC CTACTGATCA CACTCTCTGA CAAGAATTAT TCTTCACAAT ACAGCCCGCA TTTAAAAGCT CTCGTCTAGA

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h-ML h-epo	1 SPAPPACDLRVLSKLLRDSHVLHSRLSOCPEVHPLPTPVLLPAVDFSLGE 1 APPRLICDSRVLERYLLEAKEAENITTGCAEHCSLNENITVPDTKVNFYA
h-ML h-epo	51 WKTOMEETKAODILGAVTLLLEGVMAARGOLGPTCLSSLLGOLSGOVR 51 WKRMEVGOOAVEVWOGLALLSEAVLRGOALLVNSSOPWEPLOLHVDKAVS
h-ML h-epo	99 LLI LG ALLO S LL G T O L P P O G R T T A H K D P N A I F L S F O H L L R G K V R F L I O G L R S L T T L L R A L G A O K E A I S P P D A A S A A P L R T I T A D T F R K L F R V Y S N F L F
h-ML h-epo	143 MLVGGSTLCVRRAPPTTAVPSRTSLVLTLNELP <u>NRT</u> SGLLET <u>NFTASA</u> 151 GKLKLYTGEACRTGDR
h-ML	191 RTTGSGLLKWOOGFRAKIPGLLNOTSRSLDOIPGYLNRIHELLNGTRGLF
h-ML	241 PGPSRRTLGAPDISSGTSDTGSLPPNLQPGYSPSPTHPPTGQYTLFPLPF
h-ML	291 TLPTPVVOLHPLLPDPSAPTPTSPLLNTSYTHSONLSOEG

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FIG.11A
       1 SPAPPACDERVESKEERDSHVEHSRESQCPEVHPLPTPVLEPAVDFSEGE
        S P A P P A C D L R V L S K L L R D S H V L H S R L S Q C P E V H P L P T P V L L P A V D F S L G E
hML2
         S P A P P A C D L R V L S K L L R D S H V L H S R L S Q C P E V H P L P T P V L L P A V D F S L G E
hML3
       1 SPAPPACOLRVESKEEROSHVEHSRESQCPEVHPLPTPVEEPAVDFSEGE
hML4
         WKT Q M E E T K A Q D I L G A V T L L L E G V M A A R G Q L G P T C L S S L L G Q L S G Q V R L L
hML
      51
         WKT Q M E E T K A Q D I L G A V T L L E G V M A A R G Q L G P T C L S S L L G Q L S G Q V R L L
hML2
         WKT O MEETKAOD ILGAVTLLLEGY MAARGOLGPT CLSSLLGOLSGOVRLL
hML3
         WKT Q M E E T K A Q D I L G A V T L L L E G V M A A N G Q L G P T C L S S L L G Q L S G Q V N L L
hML4
         L GAL Q S L L G T Q L P P Q G R T T A H K D P N A 1 F L S F Q H L L R G K V R F L M L V G G S T L
hML
         LGALOSLLGT ... QGRTTAHKDPNAIFLSFQHLLRGKYRFLMLVGGSTL
hML2
      101 LGALOSLLGTOLPPOGRTTAHKOPNAIFLSFOHLLRGK DFW. IV GOKLH
hML3
      101 | LGALQSLLGT | · · · | QGRTTAHKDPNAIFLSFQHELRGK |
hML4
      151 CVRRAPPTTAVPSRTSLVLTLNELPNRTSGLLETNFTASARTTGSGLLKW
hML
         CVRRAPPTTAVPSRTSLVLTLNELPNRTSGLLETNFTASARTTGSGLLKW
hML2
                                ..... WASEVAAGIQSQDSWSAEPNLQ..
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      201 QQGFRAKIPGLLNQTSRSLDQIPGYLNRIHELLNGTRGLFPGPSRRTL
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      197 Q Q G F R A K I P G L L N Q T S R S L D Q I P G Y L N R I H E L L N G T R G L F P G P S R R T L G A
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      179 VPGPNPRIP - - EQDTRILEWNSWILSWILTODPRSPGHFLRNIRHRLPA
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                      - - E OOD THITLE WNS WILLS WILT OD PRS PGHEL RN INH RLIPA
      175 VPGPNPRIP
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         PD ISSGTSDTGSLPPNLQPGYSPSPTHPPTGQYTLFPLPPTLPTPVVQLH
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          DISSGTSDTGSLPPNLQPGYSPSPTHPPTGQYTLFPLPPTLPTPVVQLH
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      hML3
                          PPAWIFSFP .... NPSSYWITVYALPSS
hML4
      301 PLLPDPSAPTPTFTSPLLNTSYTHSONLSQEG
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         PLLPDPSAPTPTSPLLNTSYTHSQNLSQEG
hML2
                                                           FIG.11B
       251 THLAHPCGPAPPPAS - - - - - -
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       247 THEAHPCGPAPPPAS.
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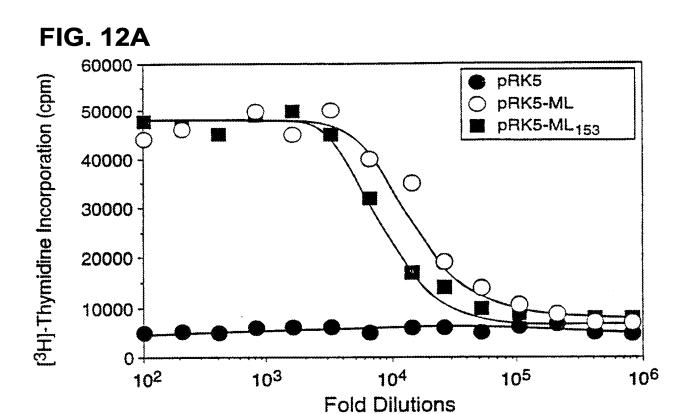
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hML2	51 W K	TOMEETKAODILGAVTLLEGVMAARGOLGPTCLSSLLGOLSGOVRLL
hML3	51 W K	TOMEETKAQDILGAVTLLLEGVMAARGQLGPTCLSSLLGQLSGQVRLL
hML4	51 W K	K T Q M E E T K A Q D I L G A V T L L L E G V M A A R G Q L G P T C L S S L L G Q L S G Q V R L L

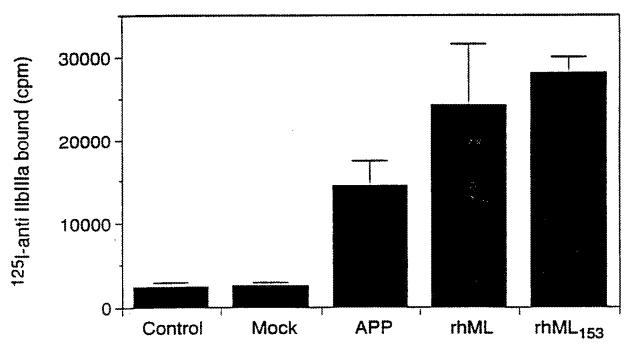
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hML2	101	LGALQSLLGTQGRTTAHKDPNAIFLSFQHLLRGKVRFLMLVGGSTL
hML3	101	LGALQSLLGTQLPPQGRTTAHKDPNAIFLSFQHLLRGK. DFW. IVGDKLH
hML4	101	LGALQSLLGT QGRTTAHKDPNAIFLSFQHLLRGK. DFW. 1VGDKLH

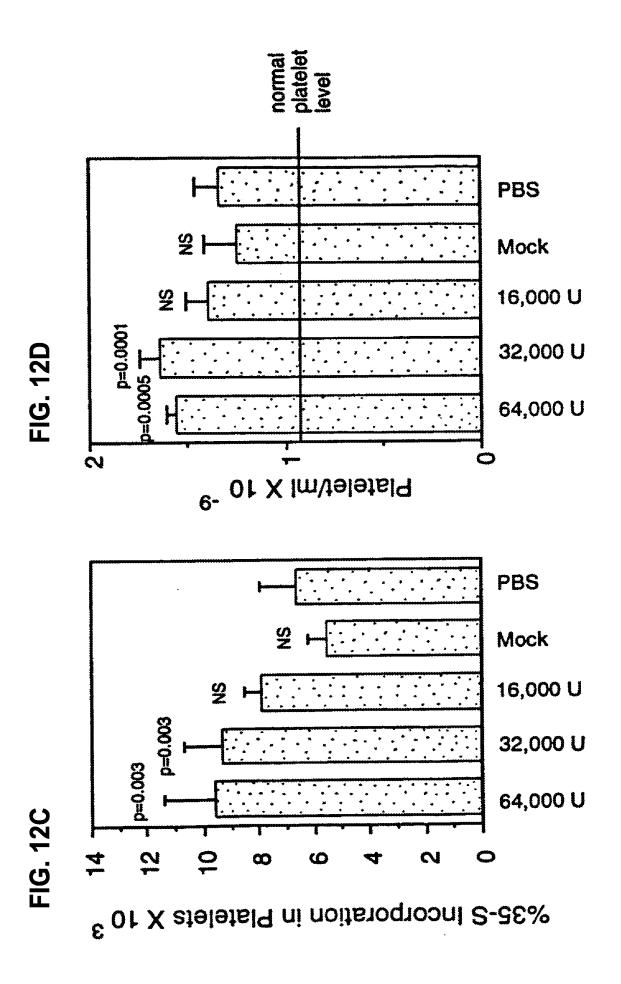
FIG. 11B

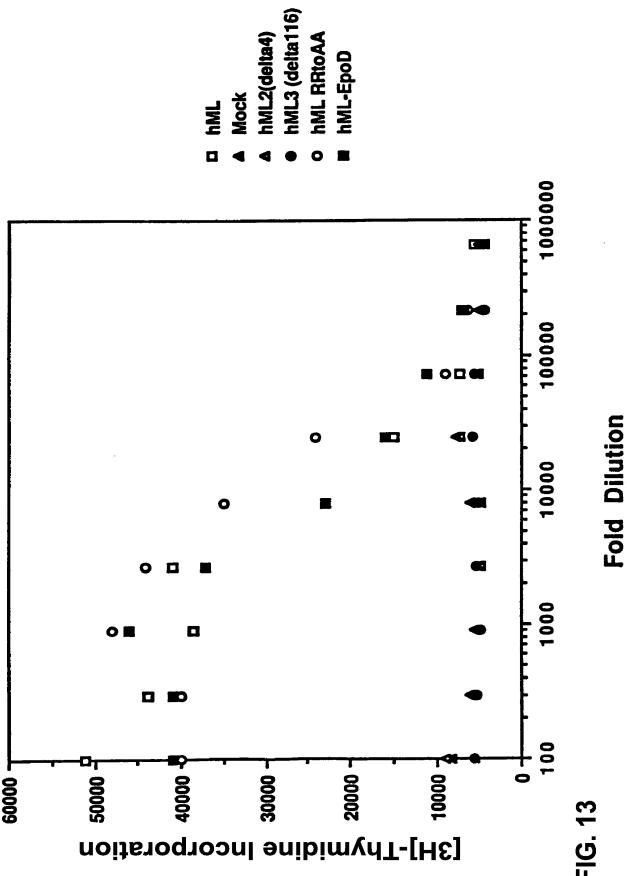
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           hML4
       PML3
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	101	101 ATACAGGGAG	CCACTTCAGT	TAGACACCCT	Met TAGACACCCT GGCCAGAATG	-20 GluLeuThrA GAGCTGACTG	spieuteule Attroctor	UALAALAMOE GGCGGCCATG	-10 LeuLeualav alalaargle CTTCTTGCAG TGGCAAGACT		uThrLeuSer AACTCTGTCC
	201	SerProvalA 201 AGCCCGTAG	laProAlaCy CTCCTGCCTG	10 sAspProArg TGACCCCAGA		Leuleuksni ysleuleukr CTCCTAAATA AACTGCTGCG	20 gAspSerHis TGACTCCCAC	LeuleuHisS erArgleuSe Crccrrcaca cccaacraag		30 rdlndysPro rcagranac	AspvalaspPro Gacctccacc
	301	LeuSeril 301 CTTTGTCTAT	40 eProValLeu cccrGTTCTG	LeuProAlav	alkspPheSe TCCACTTTAC	50 rteuglyslu cereceacaa	TrpLysThrG TGGAAACCC	Inthreluel Acacceanca	60 nSertysAla GACCAAGGCA	GINASPI1eL CAGGACATTC	euclyAleVal TAGGGGCAGT
	401	70 Serieuleu 401 GTCCCTTCTA	LeugluglyV Crocacocae	almecalaal Tgarggcagg	80 eArgGlyGln ACGAGGACAG	Leuglubros		90 erCysteuSe rSerteuteu cerceretre Arccerecte	GlyglnLeus ccacaccttt	erclyclnva crocccacct	100 1Arglevlev TCCCTCCTC
	105	LeuGlyAlaL 501 TTGGGGGCC	euGlnGlyLe rccAccccr	110 uLeuGlyThr cctAcGAACC	GinglyArgT	hrThralaHi ccacacetea	120 stysksppro chaccaccc	AshAlateuP heteuSerte AATGCCCTCT TCTTGAGCTT		130 udincinteu ccacaca	LeuArgGlyLys CTTCGGGGAA
	109	ValargPh 601 AGGTGCGCTT	140 Valargh, eleuLeuLeu ValGluGlyP roThrieuCy Grocoffr cesoentes Gradaagest ceaecerers	ValGluGlyP	rothrleucy ccacceters	150 svalArgArg TGTCAGAGGG	150 svalkrgårg ThrLeuProf hrThrAlaVa TGTCAGAGGG ACCCTGCCAA CCACAGGTGT	hrthralava ccacaceter	160 IProSerSer CCCAACCAGT	Thrisergini ACTTCTCAAC	euleuthrieu recreacaer
 FIG.14B	i	ÁsnLysPhe 701 AACAAGTTC	170 Ásnlysphe Prodsndrgt AACAAGTTC CCAAACAGGA	Prodendry hrserdlyte commence cretegary	180 uLeuGluThr crrccacacc	AsnPheServ AACTTCAGTG	AsnPheSerV althralaAr	190 gThrAlaGly AACTGCTGGC	ProclyLauL cerceaerre	euSerArgle TCACCACCT	200 uGlnGlyPhe TCAGGGATTC
	801	Argvallysi 801 AGAGTCAAGA	lethrProGl TrActices	210 yGlnLeuAsn TCAGCTAAAT	210 yGlnLeuAsn GlnThrSerA TCAGCTAÄAT GAAACCTCCA		220 rgSerProVa IGInIleSer GGTCCCCAGT CCAAATCTCT	GlytyrLeuk enkrythrHi cantaccrca acaddaCac	SPATTERIS ACACCACACA	230 sclyproval cccaccTGTG	AsnGlyThrHis AstGGAACTC
	106	GlyLeuPh 901 ATGGGCTCTT	240 n eAlaGlyThr r TGCTGGAACC		SerLeugini hrieudiuai Teaetteada ecetodaage	250 aSerAspile CTCAGACATC	SerProGlyA)	1aPheAsnLy CTTTCAACAA	260 sclySerLeu Accercere	260 sGlySerLeu AlePheAsnL ACCTCCTG GCATTCAACC	euglnglygly Teckederee
	1001	270 LeuProPro 1001 ACTICCICCT	SerProSerL TCTCCAAGCC	•uAlaProAs Trocrectos	280 pGlyHisThr TGGACACACA	ProPheProP CCTTCCCTC	roSerProAl	290 aLeuProThr CTTGCCCACC	ThrHisGlyS ACCATGGAT	ThrHisGlyS erProProGl ACCCATGGAT CTCCACCCCA	300 nLeukisPro GCTCCACCCC
	1101	LeuPheProA	A sprioserth	110 rThrHecPro	AsnSerthrA	110 rThrHetPro AsnSerThrA laProHisPr CACCATGCCT AAGTGTAGGG CCCCTCATCG	320 ovalthemet AGTCACAATG	Tyr ProHis P TACCCTCATC))0 rodrodinte userginglu Thr cchoodint orchchooda Aca	Thr
	1201	1201 GCACTGGCC	c cagradaest	CTGCAGCTTC		TETEGGGGAC ANGETTECCC AGGANGGCTG AGAGGCAGCT	AGGAAGGCTG	AGAGGCAGCT	GCATCTGCTC	CAGATGTTCT	GCTTTCACCT
	1301	1301 AAAGGCCCT	T GGGAAGGGA	TACACAGCAC	TGGAGATTGT		GAGCTATTT	TTTTAACCT	ATCAGCAATA	TTCATCAGAG	ANAITITAG GAGCIAITIT ITITIAACCI AICAGCAAIA INCAICAGAG CAGCIAGCGA
	1401	1401 Termegrer		ATTITICGER TAKATITGAN ANTCACTAAT	AATCACTAAT	<u> </u>					

FIG. 14/

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AGATTCAGGG GAGAGG
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COCCICCATE
IG AACCTCAACC COCCTCCATG GCCCCAI
AGNAGCACAG
CTCTCCCCAA
TCCCACCCCA
CCCACCTCTC
1 CAGTECTIOG CCCACCTCTC TCCCAC

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-20 Met GluLeuthr/ SCCAGAATG GACCTGACTK	
TTCAGT TAGACACCCT &	01
101 ATACAGGGAG CCAC	

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Serprovala laproklacy saspproarg Leuleudshi ysleuleudr gaspSerhis Leuleuhiss erargieuse rdincyspro AspvalaspPro Accecegiag etectecete teaceceaea etectaaata aactociece teacteceae etectiteaea ecceaeteae teactece eaceteeae	40 Leuseril eprovalieu Leuproalav alaspphese rieuglyglu Trpiysthrg inthrglugi nseriysala ginaspilei euglyalaval trighttat ecengineng etecengeng nggaetttag eteoggagaa tegaaaakee agaegaea gaegaagea eagaeatte tagegeeagt
relncyspro reacterece	Glassilet Caccacatte
erhrgleuse accancraa	60 nSertysAla
LeuLeuHisS	InThrelugh Acaccelaca
gAspSerHis TGACTCCCAC	TrpLysThrG TGGAAAACCC
ysteuteudr AACTGCTGCG	50 rLeuglyGlu ccrcccacaa
Serprovala laproalacy saspproarg Leuleudsnl ysleuleudr gaspsermis Leuleumiss erargleuse rdincyspro AspvalaspPi	40 Leuseril eprovalleu Lauproalav alaspphese rieuglyglu Trplysthrg inthrglugi nserlysala Ginaspilel euglyalaval 101 ctttctctat ccctgitctg ctgcctgctg tggactttag cctgggaga, tggaaaacc agacgaaca gacgaggca cagaacattc tagggggagt
SASPProArg	LeuProAlaV
laProAlaCy CTCCTGCCTG	40 eProValLeu cccrgrrcrg
SerProvalA AGCCCCCTAG	LeuSeril CTTTGTCTAT
201	301

100	1Argueuleu recerrete	
	erGlyGlnVa	
	GlyGlnLeuS	
9	rSerLeuleu	
	ercysteuse cerecerere	
	Leuglupros	
80	aArgGlyGln ACGAGGACAG	
	Almeralaal TGATGGCAGC	
	LeuGluGlyV	
70	SerLeuLeu LeuGluglyV alMetAlaAl aArgGlyGln LeuGluProS erCysLeuSe rSerLeuLeu GlyGlnLeuS erGlyGlnVa lArgLeuLeu 401 grecerrera ercascosos rearcosos accascacas rrocaaceer ecrocetere arcetecre caacacerr ercscaces recerence	
	101	

Jeukrediylys Treecesia	
Leuglyhlal auginglyte utauglythr ginglykryf hrthrhiahi stysksppro kshalalaup helauserta uginginlau Laukrygiytys Trogogococ tockogocot octkogalac chogochoga cokchochok chagolococ altocochor tothohocht golachatta cittogogala	160
ANTOCCCTCT 1	
stati stysksppro	150
nglykrgf hrfhr) coccaca ccacac	
uteuglythr Gli	
at evelnelyte to recoccer	140
Leuglyale 501 TTGGGGGC	

120

110

Valargph eleuteuteu ValgluglyP rothrieucy sValargarg thrieuprof hrthralaVa lProSerSer ThrSergint euleuThrieu 601 Aggreegett ceradeagt stateteace terescaed accrete terescaet actreteace terescaet

FIG. 14B

100 JGInGlyPhe rcAGGGATTC	AenGlyThrHis AATGGAACTC	euclnglydly rccaccerco	300 nLeuHisPro GCTCCACCC	Thr ACATAGCGCG	acrmcaccr	CAGCTAGCGA
180 uLeuGluthr AsnPheSerV althralaAr gthralaGly ProGlyLeuL euSerArgLe uGlnGlyPhe grrcaagacg AacttcagTo reacaccag Aacttcagac congaactte teagcagact teagcagatte		260 TCGCCCCCAC CTTTCAACAA AGGCTCCCTG GCATTCAACG TCCAGGGTCG	280 pdlyHisThr ProPheProP roSerProAl aLeuProThr ThrHisdlyS erProProGl nLeuHisPro rodacaca coeffects erreacete errocease acceatedat effences gerecacee	320 330 OVAITHEMBE TYPEROHISP TOARGASHULE USBEGINGIA THE ACTEMINATE COAGGASTIT GIETEAGAA ACATAGGGGG	reteogogia Anderrecce Abdalagets Agadecader ceaterocte chairetter serricaeer	TOGAGATTST AMARTITIAG GAGCTATTIT TITITAACCT ATCAGCAATA TICATCAGAG CAGCTAGCGA
ProGlyLeuL CCTGGACTTC	310 GINTHESSER 19SEPPROVE IGINISSER GLYTYTLEMA SMARGTHEHL SGLYPROVEL CAACCTCCA GGTCCCCAGT CCAATCTCT GGATACCTGA ACACCACAC CGACCTGTG	260 sGlySerLeu AGCTCCCTG	Thriledlys Accondant	CCAGGAATTT	GCATCTGCTC	ATCACCATA
190 gThraleGly AACTGCTGGC	Glytytleus	LapheAsnLy	290 aLeuProthr CTTGCCCACC	Tyr ProHisP TACCTCATC	AGAGGCAGCT	TTTTTACCT
al Thralade TCACAGCCAG	120 IGINII+S+r CCAMTCTCT	SarProGlyA TCGCCCGCAG	roserProAl		ACCANGCETC	GAGCTATTET
AsnPheserV	rgSerProva GGTCCCCAGT	250 hrteuglual aseraspile cccrddaagc crcadacarc	Prophebro? CCCTTCCCTC	AsnSerthra laproHisPr AACTCTACCG CCCCTCATCC	AAGCTTCCCC	MAATTTTAG
	Ginthrsera			- 1		
hr Serciyte Crrcrccarr	210 yGlnLeuAan TCAGCTAAAT	SerLeuGlaf	euala Proas Trocrectoa	310 rThrHetPro CACCATCCCT	CTGCAGCTTC	TACACAGCAC
170 Ásniyszne Proksnaryt hrserdlyle Aacaagtte ceaaacagaa ettengatt	Argvallysi lethrprogl yglnLeuAsn AGAGTCAAGA TTACTCCTGG TCAGGTAAAT	240 GlyLeuPh eAlaGlyThr SerLeuGlnT GGGCTCTT TGCTGGAACG TCACTTCAGA	270 LeuproPro SarProSart auAlaProAs CTTCCTCCT TCTCCAAGCC TTGCTCCTGA	110 LeupheProA spProSerTh rThrHetPro CTGTTTGGTG ACCCTTCGAC CACCATGGCT	castcaccs	CCCCAACCCA
ÁSDLYSPHS ProASDARGT HESSEGLYLS 701 AAACAAGTTC CCAAACAAGA	Argvallys! AGAGTCAAGA	240 GlyLeuPh eAlaGlyThr SerLeuGlnf 901 ArgGGCTCTT TGCTGGAACC TCACTTCAGA	270 Leupropro SerProSert euAlaProAs 1001 ACTTCCTCCT TCTCCAAGCC TTGCTCCTGA	LauphebroA	1201 accaetecce eastcacer erceacetre	1101 AAAAGGCCT GGGAAGGA TACACAGCAC
101	801	106	1001	1101	1201	1301

1401 TETTTGGTCT ATTITCGGTA TANATITCAN ANTCACTANT TET

FIG. 15/

1 gagteettggeeceaetteteteteegeetetgeegaaagaageacagaageteaageegeeteeatggeeceaaggaaagatteagggagagaggeege

MetGluLeuThrissLeuLeulallaMetGluLeuThrissLeuLeuLeullallaMetLeuLeuLeulalaNetleuLeuLeullalallalleuThrLeuSer 101 atacagggagccacttcagttagacacctggccagaNTGGAGCTGATTTGCTCCTGGGGGCCATGCTTCTTGCAGTGGCAAGACTAACTCTGTCC

SerProValAlaProAlaCysAspProArgLeuLeuAsnLysLeuLeuArgAspSerHisLeuLeuHisSerArgLeuSerGlnCysProAspValAspPro

LeuSerIleProValLeuLeuProAlaValAspPheSerLeuGlyGluTroLysThrGlnThrCluGlnSerLysAlaGlnAspIleLeuGlyAlaVal

SerLeuLeuLeuGluGlyValMetAlaArgGlyGlnLeuGluProSerCysLeuSerSerLeuLeuGlyGlnLeuSerGlyGlnValArgLeuLeu LeuGlyAlaLeuGlnGlyLeuLeuGlyThrGlnLeuProLeuGlnGlyArg:hr:hrAlaHisLysAspProAsnAlaLeuPheLeuSerLeuGlnGlnLeu Trassascerscassascerscanssanderscerscerscassascascascascascascanssascersassascerscanscanscanscanscanscans

LeuArgGlyLysValArgPheLeuLeuLeuValGluGlyProThrLeuCysValArgArgThrLeuProThrThrAlaValProSerSerThrSerGln <u>ETGGTAGAAGGTCCCACCCTCTGTGTCAGACCCTGCCAACCACAGCTGTCCCAAGCAGTAGTACTTCTCAA</u> 160 601 TGCTTCGGGSAAGGTGCGCCTTCCTGCTT 140

LeuLeuThrLeuAsnLysPheProAsnArgihgSerGlyLeuLeuGlufhrasheServalfhralaArgihrAlaGlyProGlyLeuLeuSerArg ACTECTICACIANA CANGITACICANNA CANGINATION TO THE THE THE CANGINATION CANCING AND THE TOTAL CANGINATION OF THE TOTAL CANGINATION OF THE TOTAL CANGINAL CANGINATION OF THE TOTAL CANGINATION OF THE TO

FIG. 15E

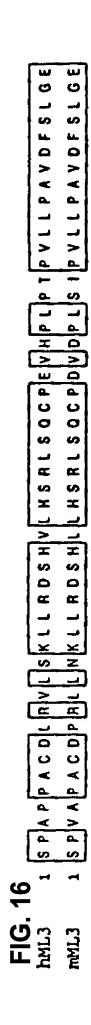
230	yGlnLeu <mark>ksnGintht</mark> serargserProvalGinIleSerGlyfyrLeu <mark>ksnargTht</mark> ftsGlyProval TCAGCTAAATCAAACCTCCAGGTCCCAAATCTCTGGATACCTGAACAGGACACACGGACGG
220	<u>inthi</u> serargserprovalginilese vaacerceagheeceagheeaaanere
210	LeuGinGlyPheArgValLysileThrProGlyGlnLeuRsnGin 801 ctrcAcccAtrcAcACTCAAGATTACTCCTGCTCACCTAAATCAA
	801

260	SerLeuGlnThrLeuGluAlaSerAspIleSerProGlyAlaPheAsnLysGlySerLeuAlaPheAsn	TCACTTCAGACCCTGGAAGCCTCAGACATCTCGCCCGGAGCTTTCAACAAAGGCTCCCTGGCATTCAA
250	erLeuGlnThrLeuGluAlaSerAspIleSer	כאכוזוכאפאכניזכאפניזכאפאכאונואס
240	RanglyThrHisGlyLeuPheAlaGlyThrS	TGAATGGAACTCATGGGCTCTTTGCTGGAACCT
		901

300	sGlySerProPro NGGATCTCCACCC	
290	LeuginglyglyteuproProSerProSerteuAlaProAspGlyHisThrProProPeroSerProAlaLeuProThrThrHisGlySerProProProAcconcoAcconcoConconcoConcoAcconcoA	
280	Serproserleuala Proaspglynisthi ICTCCAAGCCTTGCTCCTGATGGACACAC	
270	LeuGlnGlyGlyLeuFroProSerProSerLe	_

1201 AAACATAGegegggeactggceceagtgagegtctgcagetectetegggggacaagettececaggaaggetgagaggeagetgcatetgetecagatgtt

1301 etgettteacetaaaaggeeetggggaagggatacacageactggagattgtaaaattttaggagetatttttttttaacetateageatattdateag



Œ Œ > Q O O O w w ø Ø 9 0 G 4 w ယ C S 4 O w 0 0 G 9 Œ Œ ~ ~ ⋖ ~ Œ æ > G 9 w w S > < Ø 0 ٥ 0 O < ~ ¥ O (III) E × ¥ ₹ ₹ ដ 2 MIL) EAL3

S 0 w Ø Q > 3 ₹ 9 × × G O ि Q ம 5 ~ z z ۵. ۵. 0 ¥ × I < ~ -Œ Œ Ø G O 0 ٥ 4 O 0 O 9 S Q く ~ G G 101 101 PMC3

S G Z z 3 ₹ ш O Œ 0 O O w ш ے Œ Z ٥ S Δ. > 0 0 • S < ~ S W) ₹ ₹ S O O G S O 0 G O ∢ O w ш S S 3 ٥. * S z Z 0 O S 12 151 PML3 mML3

S TXYAL 3 S S S ۵ ۵ S 4 4 S Ø 4 S ≆ G ۵. ے O O G ۵ ۵. <u>ب</u> Œ 0 Q Z ഗ н R < \equiv I G S S 9 Œ • Δ. 0 0 S 3 Ø ပ 201 PML3 mML3

3 250 STHLAHPCGPAPPAS

. 17	. 17FIG.17A	5	
		P-M-P-M-H	CDPRLLNKLLRDSHV CDLRVLSKLLRDSHV
		m-ML p-ML h-ML	51 WKTOTEOSKAODILGAVSLLLEGVMAARGOLEPSCLSSLLGOLSGOVRLL 51 WKTOTEOTKAODVLGATTLLLEAVMTARGOVGPPCLSSLLVOLSGOVRLL 51 WKTOMEETKAODILGAVTLLLEGVMAARGOLGPTCLSSLLGOLSGOVRLL
		m-ML p-ML h-ML	101 LGALOGLLGTOLPLOGRTTAHKDPNALFLSLOOLLRGKVRFLLLVEGPTL 101 LGALODLLGMOLPPOGRTTAHKDPSAIFLNFOOLLRGKVRFLLLVVGGPSL 101 LGALOSLLGTOLPPOGRTTAHKDPNAIFLSFOHLLRGKVRFLMLVGGSTL
	FIG.17B m-ML p-ML h-ML	p-ML h-ML	151 CVRRTLPTTAVPSSTSOLLTLNKFPNRTSGLLETNÆSVTARTAGPGLLSR 151 CAKRAPPATAVPSSTSPFHTLNKLPNRTSGLLETNÆSISARTTGSGFLKR 151 CVRRAPPTTAVPSRTSLVLTLNELPNRTSGLLETNÆTIASARTTGSGLLKW
		m-ML p-ML h-ML	201 LOGFRVKITPGOLNOTISRSPVOISGYLWRTHGPVNGTHGLFAGTSLOTLE 201 LOAFRAKI-PGLLNOTSRSLDOIPGHONGTHGPLSGIHGLFPGPOPGALG 201 OOGFRAKI-PGLLNOTSRSLDOIPGYLNRIHELLNGTRGLFPGPSRRTLG
		m-ML p-ML h-ML	251 ASDISPGAFNKGSLAFNLOGGLPPSPSLAPDGH-TPFPPSPALPTTHGSP 250 APDIPPATSGMGSRPTYLOPGESPSPAHPSPGRYTLFSPSPTSPSPT1 250 APDISSGTSDTGSLPPNLOPGYSPSPTHPPTGOYTLFPLPPTLPTPV
		m-ML p-ML h-ML	300 POLHPLEPDPSTTMPNSTBPHPVTMYPHPRNTESOET 297 VOLOPLLPDPSAITPNSTBPLLFAAHPHFONESOEE 297 VOLHPLLPDPSAPTPT PT SPLLNTSYTHSONESOEG

FIG. 17A

14.5 S 9 ٧ 9 ۵. S α α ೮ S S O E 0 0 a. > 02 G S S 40 \propto ∞ 00 S ۵. ۵.. 9 O 30 O. 0-۵. 22 0 --- S لسلة 5 ဏ \bigcirc > ... 2 0_ σ. S S ري α \simeq CC \bigcirc 5 -~< -S α α α 0. G 盂 W. = = w w -× = S S 0 04 α α c G S 0 0 0 O G S ۵. 0_ = 0 0 0 £ α oc 05 \sim 0 S 0 w ග S **«**C ~ O E ۵. ď G C ۵.. ۵. S S S 101 TOT 다. 다. 다. 다. 다. m·M p-M h-NE

~ a 5 ය 000 3 ... ۵.. S 5 তে ৩ তি SIF S a. α... (2) C C CX: 4/3 **(/)** 0. ۳ C. a. \equiv S LL. S -- w o مي ايد ຜ້ 5 6 z v 0 0 တ် တ တ œ ۵. ----دي 4 ಅ C ₽. SO G C C ≪ <u>| Q-</u> ۵.. LL S α. 43 43 (/) =----0_ 4 ۵. -----<u>a</u> ۵. **a**... === S **E** 4 C S S 5 - C ۵. ۵., SOL S ... لننا LL ۵. 0 C 2 200 G 3 = \Box α. ۵. ₽. 10-۵... S S *C \bigcirc 0 S 5 3 α α **L** ဟ S 4/2 **~** ۵. S W ≪ <u>[a.</u> a. ۵. ۵.. 04 SO ۵. 5 **4/3** S 9 ယာ æ 43 9 6 ۵. 0 C -S S -9 **...** ~ ယာ 0 W. 6/3 **Q**_ -4 œ 5 4 5 24 **C** 0 0 ۵. æ. 293 207 727 201 35 P-M

LeuSerThrProValLeu CTTTGTCCACACCTGTCCTG 70 ThrLeuLeuLeuGluAlaV AACCCTTCTGCTGGAGGCAG CTGGGGGCCTTGCTGGAGGCCT LeuGlyAlaLeuGluAspLe CTGGGGGCCTTGCTGGAGGCCT 170 PheHisThrLeuAsnLysL ATTCCACACACTGAACAGGC CTGCAGGCATTCATGAGGCCAA 240 Gly11eHisGlyLeuPhe GTGGAATTCATGGACTTTT 270 GlnProGlyGluSerProS	LeuSerThrProValLeuLeuProAlaValAspPheThrLeuGlyGluTrpLysThrGluThrGluGlnThrLysAlaGlnAspValLeuGlyAlaThr CTTTGTCCACACCTGCTGCTGCTGTGGACTTCACCTTGGGAGATGGAAAACCCAGACGAGCAGACAAAGGCACAGGATGTCCTGGGAGCAC 70 90 100 ThrLeuLeuLeuGluAlaValMetThrAlaArgGlyGlnValGlyProProCysLeuSerSerSerLeuLeuValGlnLeuSerGlyGlnValArgLeuLeu AACCCTTCTGCTGGAGGCAGTGATGACAGGGACAAGTGGACCCCCTTGCCTCTCATCCCTGGTGCTGGTGCAGGTTCGCCTCCTC 110 130 LeuGlyAlaLeuGlnAspLeuLeuGlyMetGlnLeuProProGlnGlyArgThrThrAlaHisLySAspProSerAlaIlePheLeuAsnPheGlnGlnLeu CTCGGGGCCCTGCAGGGACCAGGGAAGGACCACAGGTCCTCCAACAAC 140 150 140 150 150 160 160 170 160 160 160 160 16
ThrLeuLeuCalualav AACCCTTCTGCTGGAGGCAG LeuGlyAlaLeuGlnAspLe CTCGGGGCCCTGCAGGACCT 140 LeuArgGlyLysValArg TGCTCCGAGGAAGGTGCGT ATTCCACACTGAACAAGC CTGCAGGAATTCAGAGCCAA CTGCAGGCATTCAGAGCCAA CTGCAGGCATTCAGAGCCAA 270 GlylleHisGlyLeuPhe GTGGAATTCATGGACTTTT CTGCAGGATTCATGGACTTTT	80 etThrAlaArgGlyGlnValGlyProProCysLeuSerSerLeuLeuValGlnLeuSerGlyGlnValArgLeuLeu IGACAGCACGGGGACAAGTGGGACCCCCTTGCCTCTTCTGGTGCAGGTTCGCCTCCTC 110 110 110 120 130 150 150 150 160
LeuGlyAlaLeuGlnAspLe CTCGGGGCCCTGCAGGACCT 140 LeuArgGlyLysValArg TGCTCCGAGGAAGGTGCGT TGCTCCACAGGAAGGTGCGT ATTCCACACACAGGCCAACCAACCAAGG CTGCAGGATTCAGACAAGG CTGCAGGATTCAGGACTTTT 270 GlyIleHisGlyLeuPhe GTGGATTCATGGACTTTTT 270 GlnProGlyGluSerProS	110 uGlyMetGlnLeuProProGlnGlyArgThrThrAlaHisLysAspProSerAlaIlePheLeuAsnPheGlnGlnLuGlyMetGlnLeuProProGlnGlnLurGAArgCAGCATCCTCCACAGGAAGGACCACCACCAGCAACCAGGCCATCTTCCTGAACTTCCAACAACAACAACAACAACAAGAATGCAGCTTCCTCCACAAGAAGAACAACAACAACAACAAGAATGCAAGAATGCAAGAATGCAAGAACAACAAACA
140 LeuargGlyLysValarg TGCTCCGAGGAAAGGTGCGT 170 PheHisThrLeuAsnLysL ATTCCACACACTGAACAAGC CTGCAGCATTCAGACCAAGC GLYLLeHisGlyLeuPhe GTGAATTCATGGACTCTTT 270 GlnProGlyGluSerProS	150 LeuteuteuvalvalorproserteucvsAlalvsArgAlaproproblalleAlavalproserserThrserPr
PheHisThrLeuAsnLysL ATTCCACACACAGGACAAGG LeuGlnAlaPheArgAlaLy CTGCAGGCATTCAGAGCCAA 240 GlylleHisGlyLeuPhe GTGGAATTCATGGACTCTTT 270 GlnProGlyGluSerProS	TTCCTGCTCCTTGTAGTGGGGCCCTCCTCTGTGCCAAGAGGGCCCCCACCCGCCATAGCTGTCCCGAGCAGCACTCTCC
LeuginalaPheArgalaLy CTGCAGGCATTCAGAGCCAA 240 GlyIleHisGlyLeuPhe GTGGAATTCATGGACTCTTT 270 GlnProGlyGluSerProS	170 PheHisThrLeuAsnLysLeuProAsnArgThrSerGlyLeuLeuGluThrAsnSerSerIleSerAlaArgThrThrGlySerGlyPheLeuLysArg ATTCCACACACACAGACAACAACAGGACCTCTGGATTGTTGGAGACAAACTCCAGTATCTCAGCCAGAACTACTGGCTCTGGATTTCTCAAGAGG
240 GlylleHisGlyLeuPhe GTGGAATTCATGGACTCTTT 270 GlnProGlyGluSerProS	
270 GlnProGlyGluSerProS	260 ProGlyProGlnProGlyAlaLeuGlyAlaProAspIleProProAlaThrSerGlyMetGlySerArgProThrTyrLeu ccrggaccccaacccGgggcccctcggagctccagacartccrccagcaactrcaggcargggctccggccaacctacct
מין ככשפיניולפשפשפונורנורניולפים	300 erProAlaHisProSerProGlyArgTyrThrLeuPheSerProSerProThrSerProSerProThrValGlnLeuGln CCCCAGCTCACCCTTCTCTGGACGATACACTCTTCTTCTCTTCACCCACC
ProLeuLeuProAspProSerAlalic	310 rAlaileThr ProAsnSerThrSerProLeuLeuPheAlaAlaHisProHisPheGlnAsnLeuSerGlnGluGlu rGCGATCACACCCAACTCTACCAGTCCTCTTTTTGCAGCTCACCTCATTTCCAGAACCTGTCTCAGGAAGAGTAAG

_	FIG.18A	10	20	30
+-4	SerProAlaProProAlaCysAspP.	roArgLeuLeuAsnLysLeuLe	uArgAspSerHisValLeuHisGly	SerProAlaProProAlaCysAspProArgLeuLeuAsnLysLeuLeuArgAspSerHisValLeuHisGlyArgLeuSerGlnCysProAspIleAsnPro
	AGCCCGGCTCCTCCTGCCTGTGACC	CCCGACTCCTAAATAAACTGCT	TCGTGACTCCCATGTCCTTCACGG	AGCCCGGCTCCTCCTGCCTGTGACCCCCGACTCCTAAATAAA
101	40 LeuSerThrProValLeuLeuProAlaValAs CTTTGTCCACACCTGTCCTGCTGCAGA	oAlaValAspPheThrLeuGly rccrGrGGACTrCACCTrGGGA	50 GlutrplysthrGlnthrGluGln1 Gaatggaaaacccagacggagg	40 LeuSerThrProValLeuLeuProAlaValAspPheThrLeuGlyGluTrpLysThrGlnThrGluGlnThrLysAlaGlnAspValLeuGlyAlaThr CTTTGTCCACACCTGTCCTGCTGCTGGACTTCACCTTGGAATGGAAAACCCAGACGAGGAGAAAGGCACAGGATGTCCTGGGAGCCAC
201	70	80	90	70
	ThrLeuLeuLeuGluAlaValMet'	ThrAlaArgGlyGlnValGlyP	roProCysLeuSerSerLeuLeuVa	ThrLeuLeuLeuGluAlaValMetThrAlaArgGlyGlnValGlyProProCysLeuSerSerLeuLeuValGlnLeuSerGlyGlnValArgLeuLeu
	AACCCTTCTGCTGGAGGCCAGTGATG	ACAGCACGGGACAAGTGGGAC	ccccrrccrcrcrcrccrccr	201 AACCCTTCTGCTGGAGGCAGTGATGACAGCAGGGGGACAAGTGGGACCCCCTTGCCTCTCATCCCTGGTGCAGGTTTCTGGACAGGTTCGCCTCCTC
301	110	110	120	120
	LeuGlyAlaLeuGlnAspLeuLeuGlyMetGlnL	lyMetGlnLeuProProGlnGl	yArgThrThrAlaHisLysAspPro	LeuGlyAlaLeuGlnAspLeuLeuGlyMetGlnLeuProProGlnGlyArgThrThrAlaHisLysAspProSerAlaIlePheLeuAsnPheGlnGlnLeu
	CTCGGGGCCCTGCAGGACCTCCTTGGAATGCAGG	GAATGCAGCTTCCTCCACAGGG	AAGGACCACAGCTCACAAGGATCCO	301 crcGGGGCCCTGCAGGACCTCCTTGGAATGCAGCTTCCTCCAGGGAAGGACCACAGCTCACAAGGATCCCAGTGCCATCTTCCTGAACTTCCAAACAAC
	***		C L T	, ,

LeuArgGlyLysValArgPheLeuLeuLeuValValGlyProSerLeuCysAlaLysArgAlaProProAlaIleAlaValProSerSerThrSerPro

401 TECTOCGAGGAAAGGIGCGTTTCCTGCTCCTTGTAGTGGGGCCCTCTCTGTGCCAAGAGGGCCCCCACCGCCATAGCTGTCCCGAGCAGCACCTCTCC

PheHisThrLeuAsnLysLeuProAsnArgThrSerGlyLeuLeuGluThrAsnSerSerIleSerAlaArgThrThrGlySerGlyPheLeuLysArg

180

501 ATTICCACACACACAGACAGCTCCCAAACAGGACCTCTGGATTGTTGGAGACAAACTCCAGTATCTCAGCCAGAACTACTGGCTCTGGATTTTCTCAAGAGG

LeuGlnAlaPheArgAlaLysIleProGlyLeuLeuAsnGlnThrSerArgSerLeuAspGlnIleProGlyHisGlnAsnGlyThrHisGlyProLeuSer CTGCAGGCATTCAGAGCCAAGATTCCTGGTCTGCTGAACCAAACCTCCAGGTCCCTAGACCAAAATCCCTGGACACAGAATGGGACACACAGGACCCTTGA 210 601

Gly11eHisGlyLeuPheProGlyProGlnProGlyAlaLeuGlyAlaProAspIleProProAlaThrSerGlyMetGlySerArgProThrTyrLeu 701 GIGGAAITICAIGGACTCITTICCIGGACCCCAACCCGGGGCCCTCGGAGCTCCAGACAITICCICCAGCAACTICAGGCAIGGGCTCCCGGCCAACCTACCI

GlnProGlyGluSerProSerProAlaHisProSerProGlyArgTyrThrLeuPheSerProSerProThrSerProSerProThrValGlnLeuGln 290 280

801

CCITCIT CONTROCT CONTROCT TO A CONTROCT OF THE CONTROCT OF THE CARCOCT CANTIFICA GAACOTOTICITA GAAGA GAAGA ProLeuLeuProAspProSerAlaIleThrProAsnSerThrSerProLeuLeuPheAlaAlaHisProHisPheGlnAsnLeuSerGlnGluGlu 310 901

1001 GIGCTCAGACCCTGCCAACTICAGCA

19 FIG. 19A - -	19 A	10 SerProAlaProProAlaCysAspProArgLeuLeuAsnLysLeuLeuArgAspSerHisValLeuHisGlyArgLeuSerGlnCysProAspIleAsnPro AGCCCGGCTCCTCCTGCTGTGACCCCCGACTCCTAAATAAA
	101	40 LeuSerThrProValLeuLeuProAlaValAspPheThrLeuGlyGluTrpLysThrGlnThrGluGlnThrLysAlaGlnAspValLeuGlyAlaThr 101 CTTTGTCCACACCTGCTGCTGCTGTGGACTTCACCTTGGGAGAATGGAAAACCCAGACGGAGCAGAGAGACAAAGGCACAGGATGTCCTGGGAGCCAC
	201	100 ThrLeuLeuGluAlaValMetThrAlaArgGlyGlnValGlyProProCysLeuSerSerLeuLeuValGlnLeuSerGlyGlnValArgLeuLeu AACCCTTCTGCTGGAGGCAGTGATGAAGGACACGGGACAAGTGGGACCCTTGCCTCTTCTTCTTGGTGTGGAGGTTTCTGGACGTTTCTGGACGACTCCTTCTTCTTGAAGTTCGCTTCTTCTTCTTCTTCTTCTTTTTTTT
	301	110 LeuGlyAlaLeuGlnAspLeuLeuGlyMetGlnGlyArgThrThrAlaHisLysAspProSerAlaIlePheLeuAsnPheGlnGlnLeuLeuArgGlyLys . CTCGGGGCCCTGCAGGACCTCCTTGGAATGCAGGAAGGACCACAGGATCCAAGGATCCCAGTGCCATCTTCCTGAACTTCCAACAACTGCTCCGAGGAA
	401	140 ValargpheLeuLeuLeuvalValGlyProSerLeuCysAlaLysargalaProProAlaIleAlaValProSerSerThrSerProPheHisThrLeu . AGGTGCGTTTCCTGCTCCTTGTAGTGGGGCCCTCCTCTGTGCCAAGAGGGCCCCACCGGCCATAGCTGTCCCGAGCAGCACCTCTCCATTCCACACACT
FIG.19B	9 B	AsnLysLeuProAsnArgThrSerGlyLeuLeuGluThrAsnSerSerIleSerAlaArgThrThrGlySerGlyPheLeuLysArgLeuGranGranGranGranGranGranGranGranGranGran
	601	210 Argalalys I leproglyleuleuasnginthr Serarg Serleuaspgini leproglyhisginasnglythr Hisgly Proleusergly I lehisgly . agagccaagattcctggtctgctgaaccaaactccaaggtcctagaccaaatcctggacacccagaatgggacaccaagaccttgagtggaattcatg
	701	260 LeuPheProGlyProGlnProGlyAlaLeuGlyAlaProAspIleProAlaThrSerGlyMetGlySerArgProThrTyrLeuGlnProGlyGlu 701 GACTCTTTCTTGGACCCCAACCCGGGGCCCTTCGGAGCTTCCTCCAGCAACTTCAGGCATGGGCTCCCGGCCAACCTACCT
	801	270 SerProSerProAlaHisProSerProGlyArgTyrThrLeuPheSerProSerProThrSerProSerProThrValGlnLeuGlnProLeuLeuPro Grencentecendencentenc
	901	310 Aspproserala I lethr ProAsnSerthr Ser ProLeu Leu Phealaala His ProHis PheglnAsn Leu Ser Gln Glu Glu Gacccerctoccaatta cacceaacteta ceast cette trenstructa genee content trecagaace transferate and an analysis of
	1001	1001 TGCCAACTTCAGCA

SerproAlaProProAlaCysAspProArgLeuLeuAsnLysLeuLeuArgAspSerHisValLeuHisGlyArgLeuSerGlnCysProAspIleAsnPro 1 AGCCCGGCTCCTCCTGTGACCCCCGACTCCTAAATAAACTGCTTCGTGACTCCCATGTCCTTCACGGCAGACTGAGCCAGTGCCCAGAGATTAACC

LeuSerThrProValLeuLeuProAlaValAspPheThrLeuGlyGluTrpLysThrGlnThrGluGlnThrLysAlaGlnAspValLeuGlyAlaThr 101 CTTTGTCCACCTGTCCTGCTGCTGTGTGACTTCACCTTGGGAGAATGGAAAACCCAGAGGAGGAGAAAAGGCACAAAGGCACAGGATGTCCTGGGAGCCAC

ThrLeuLeuGeuGluAlaValMetThrAlaArgGlyGlnValGlyProProCysLeuSerSerLeuLeuValGlnLeuSerGlyGlnValArgLeuLeu 201 AACCCTTCTGCTGGAGGCAGTGATGACAGCACGGGGACAAGTGGGACCCCCTTGCCTCTCATCCTTGCTGGTGCAGCTTTCTGGACAGGTTCGCCTCTTC

LeuglyAlaLeuglnAspLeuLeuglyMetGlnGlyArgThrThrAlaHisLysAspProSerAlaIlePheLeuAsnPheGlnGlnLeuLeuArgGlyLys CTCGGGGCCCTGCAGGACCTCCTTGGAATGCAGGGAAGGACCACAGGATCACAAGGATCCCAGTGCCATCTTCCTGAACTTCCAACAACTGCTCGAGGAA 110

301

ValargPheLeuLeuLeuValValGlyProSerLeuCysAlaLysArgAlaProProAlaIleAlaValProSerSerThrSerProPheHisThrLeu

200	sArgLeuGlnAlaPhe SAGGCTGCAGGCATTC	
190	vuGluThrAsnSerSerIleSerAlaArgThrThrGlySerGlyPheLeuLysArgLeuGlnAlaPhe YGGAGACAAACTCCAGTATCTCAGCCAGAACTACTGGCTCTGGATTTCTCAAGAGGGCTGCAGGCATTC	
180	SerGlyLeuLeuGluThrAsnSerSerIleS TCTGGATTGTTGGAGACAACTCCAGTATCT	
170	AsnLysLeuProAsnArgThrSerGlyLeuLeu 501 GAACAAGCTCCCAAACAGGACCTCTGGATTGTTG	

LeuPheProGlyProGlnProGlyAlaLeuGlyAlaProAspIleProProAlaThrSerGlyMetGlySerArgProThrTyrLeuGlnProGlyGlu 260 250

GICICCITICCCCAGCICACCCITICICCTGGACGATACACTCTTTTTCTCTTCACCCACCTCGCCCTCCCCCACAGTCCAGCTCCAGCCTCTGCTTCCT 801

320

310

GACCCCTCTGCGATCACACCCAACTCTACCAGTCCTCTTCTATTTGCAGCTCACCTCATTTCCAGAACCTGTCTCAGGAAGAGTAAGGTGCTCAGACCC AspProSerAlalleThrProAsnSerThrSerProLeuLeuPheAlaAlaHisProHisPheGlnAsnLeuSerGlnGluGlu

1001 TGCCAACTTCAGCA

UFIG.20A	DMC		SPAPPACOPRILNKLIRDSHVLHGRISOCPDINPLSTPVLLPAVDFTLGE
	pML2	-	SPAPPACOPRLLNKLLROSHVLHGRLSOCPOINPLSTPVLLPAVDFTLGE
	DML	22	WKT OT E OT KA OD V L GATTL L LE AV MTARGOVGPPCL SSLL VOLS GOVRLL
	DML2	3	WKTOTEOTKAODVLGATILLEAVMTARGOVGPPCLSSLLVOLSGOVRLL
	pML	101	LGALODLLGWOLPPOGRITAHKDPSAIFLNFOOLLRGKVRFLLLVVGPSL
_	pML2	101	LGALODLL GM QGRTTAHKDPSAIFLNFOOLLRGKVRFLLLVVGPSL
FIG.20B	1	1	
	DMC	151	CAKRAPPA I AVPSSTSPFHTLNKLPNRTSGLLETNSS I SARTTGSGFLKR
	pML2	147	CAKRAPPA I A V P S S T S P F H T L N K L P N R T S G L L E T N S S I S A R T T G S G F L K R
	PML	201	LOAFRAKIPGLL NOTSRSLDOIPGHONGTHGPLSGIHGLFPGPGALGA
	pML2	197	LOAFRAKIPGLL NOTSRSL DOIPGHONGTHGPLSGIHGLFPGPOPGALGA
	DML	251	PO I'PPATS GMGS RPTYLOPGES PSPAHPS PGRYTLFSPSPTSPSPTVOLO
	pML2	247	PDIPPATSGMGSRPTYLOPGESPSPAHPSPGRYTLFSPSPTSPSPTVOLO
	DML	301	PLLPDPSAITPNSTSPLLFAAHPHFONLSOEE
	DML2	297	PLLPDPSAITPNSTSPLLFAAHPHFONLSGEE
 		'I 	

FIG. 20A

O O 0 **«**C ۵. ٥. W w ۵. Z Z \bigcirc 0 0 Ç O O 0 O S Œ Œ O O I > I 3 S 0 0 Œ × Z Œ Œ ۵. 0 ပ C ۵. ۵ ٥. S U)

Œ CT. > 0 0 O ဖာ 10 O 0 > W S S O ₽-۵ 0 O > 0 0 O O oc. Œ -Œ 3 > < w GATTLLL 4 O ر ح -0 0 0 • * 0 ш O O × ₹ 3

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DMC	151	151 CAKAAPPAIAVPSSTSPFHTLNKLPNRTSGLLETNSSISAATTGSGFLKA
pML2	167	167 CAKRAPPAIAVPSSTSPFHTLNKLPNRTSGLLETNSSISARTTGSGFLKR

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201	197 LOAFRAKIPGLLN
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DML	pML2

DML	301 PLLPOPSAITPNSTSPLLFAAHPHFONLSOEE	م	 <u></u>	0	ے	ဟ	≪	_	ed-	z	S	-	S	۵.	_		«	≪	I	٥.	I	<u></u>	Z	 S	0	LLI	
pML2	297 PLLPOPSAITPNSTSPL	<u> </u>	 .	0	ο.	S	⋖	<u>.</u>	-	z	S	-	S	_		-	* C	≪.	I	٥.	I	<u></u>	FAAHPHFONLSOE	 S	0	w	